

Title: Apparatus and Method for Asynchronously
Analyzing Data to Detect Radioactive Material
Inventor: Jerry Bohinc, Jr.
Attv. Docket No.: 600348-1U2 Cust No.: 570

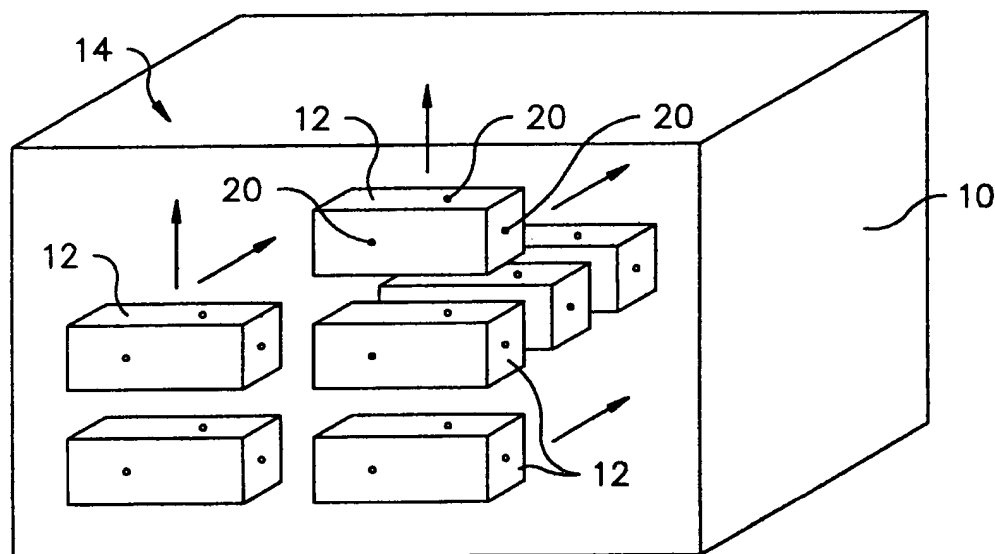


Fig. 1

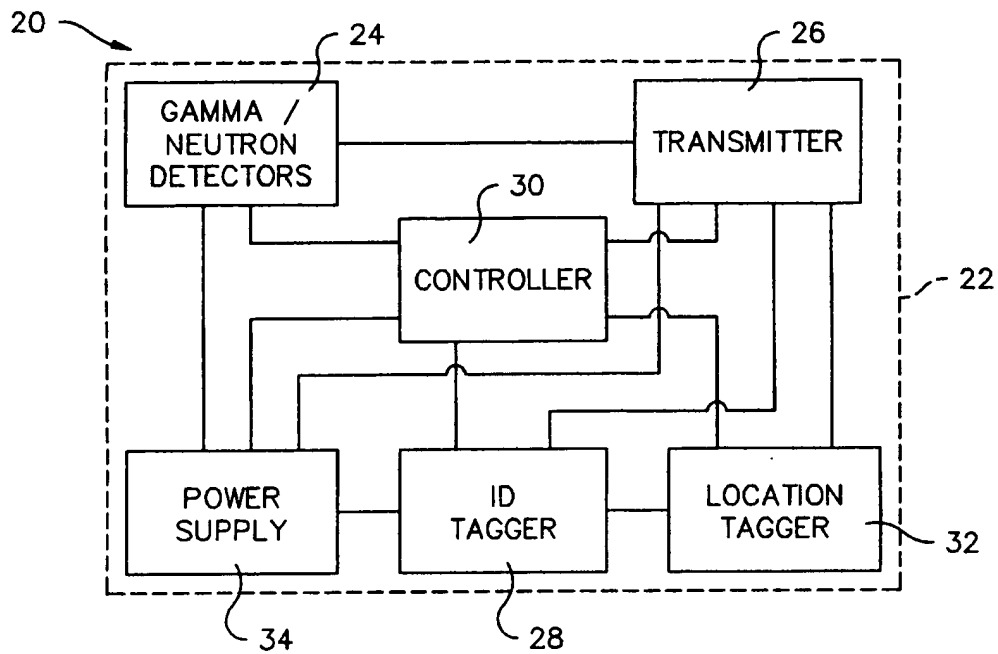


Fig. 2

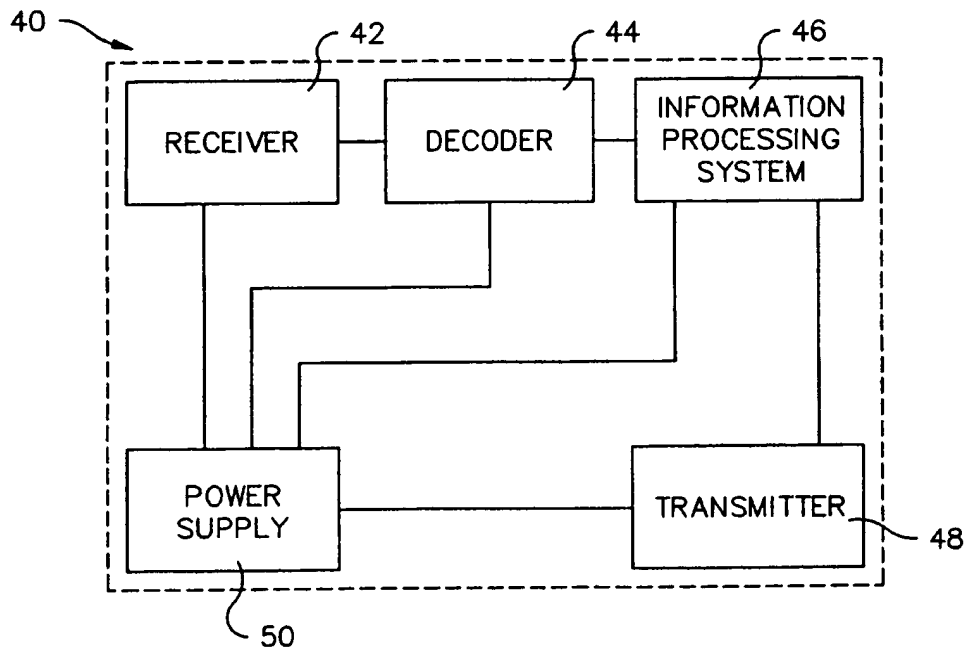


Fig. 3

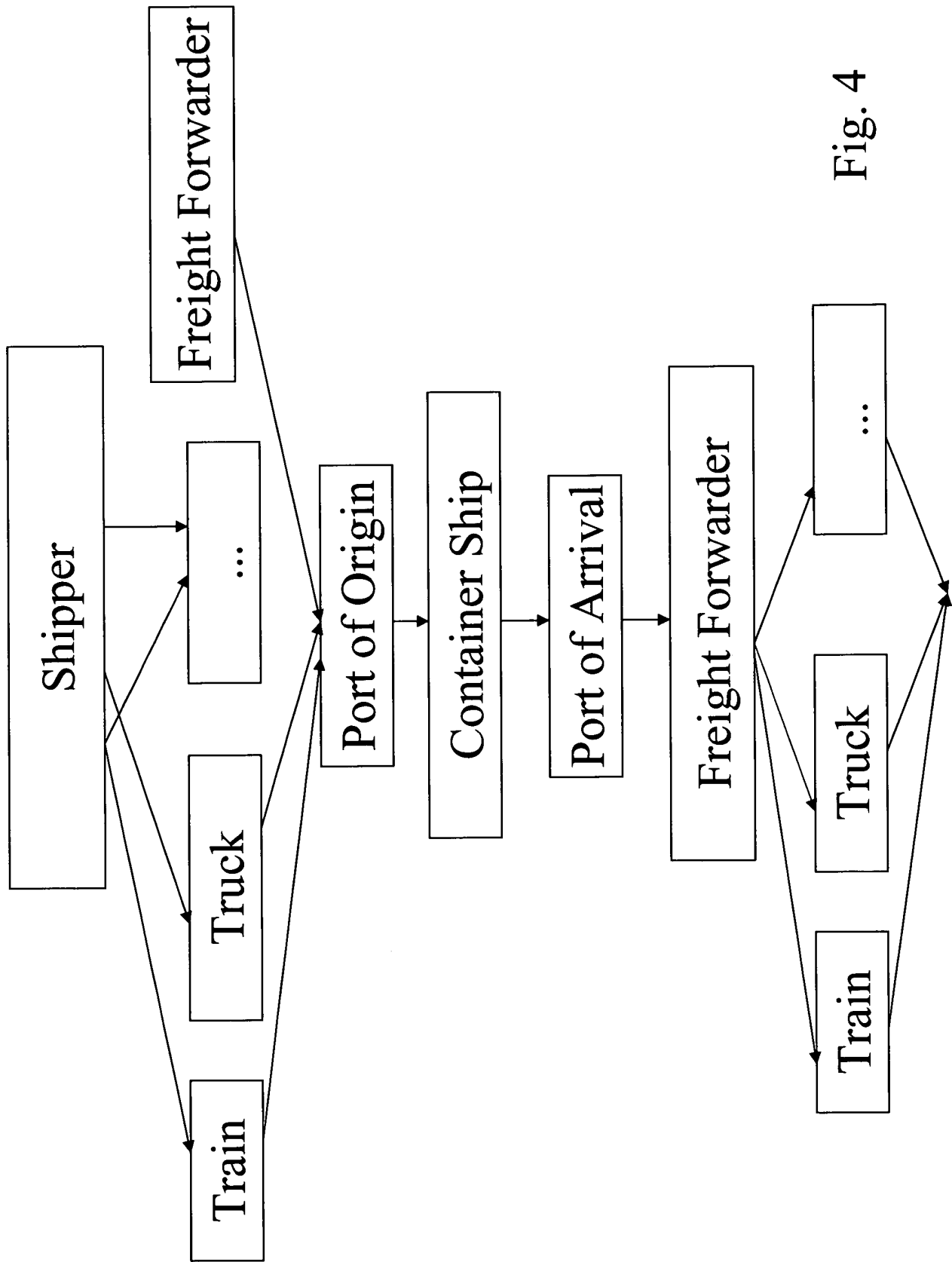


Fig. 4

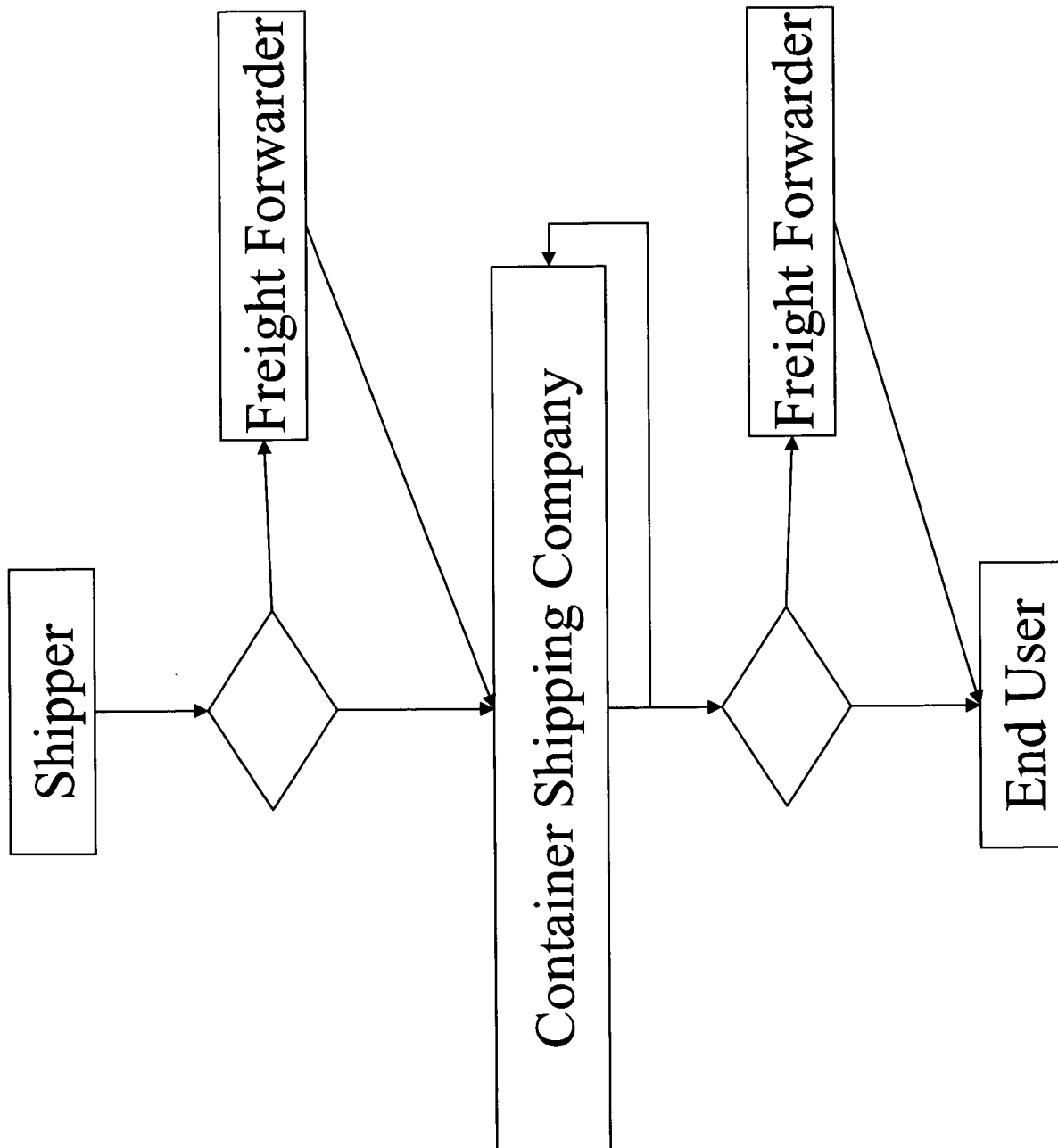


Fig. 5

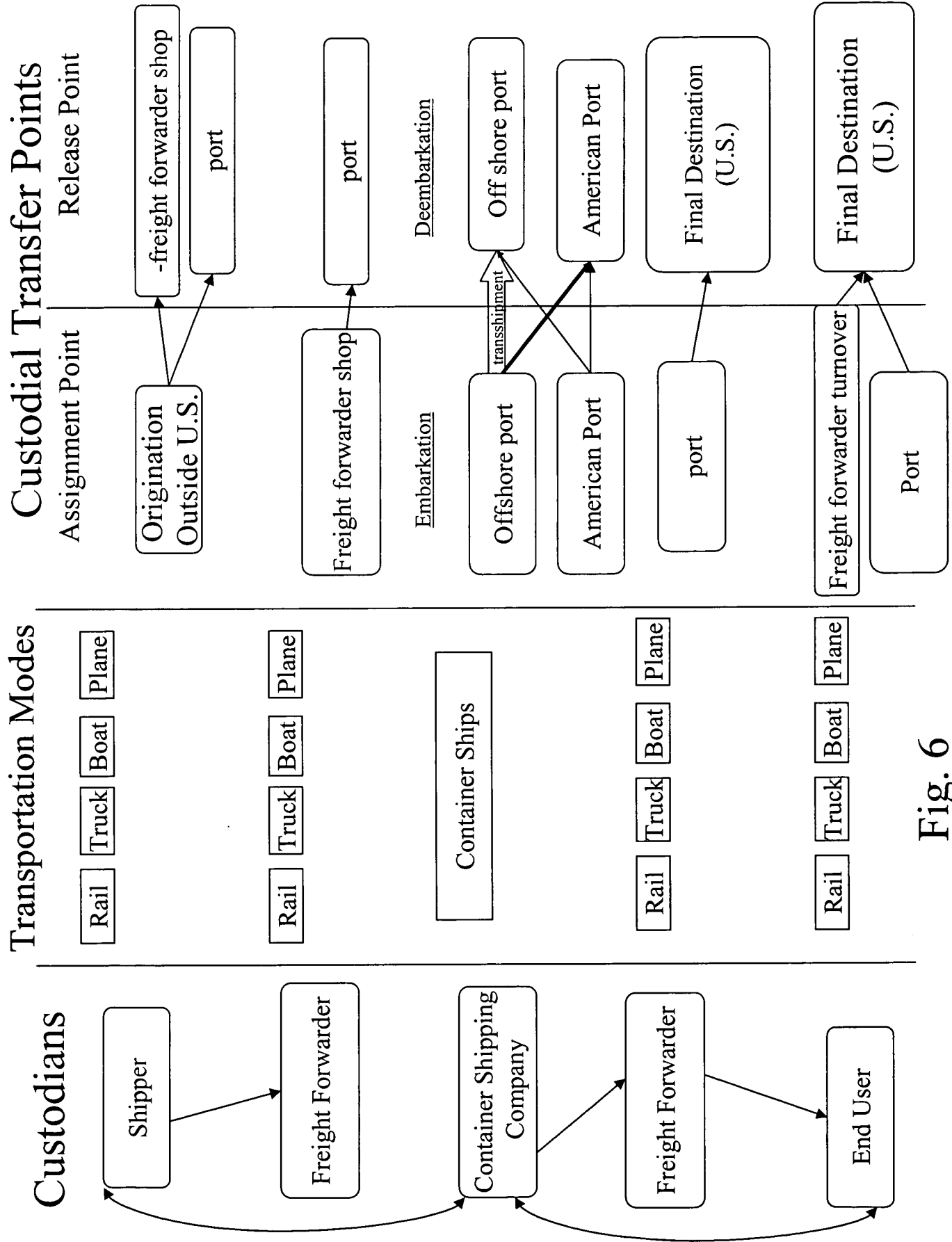


Fig. 6

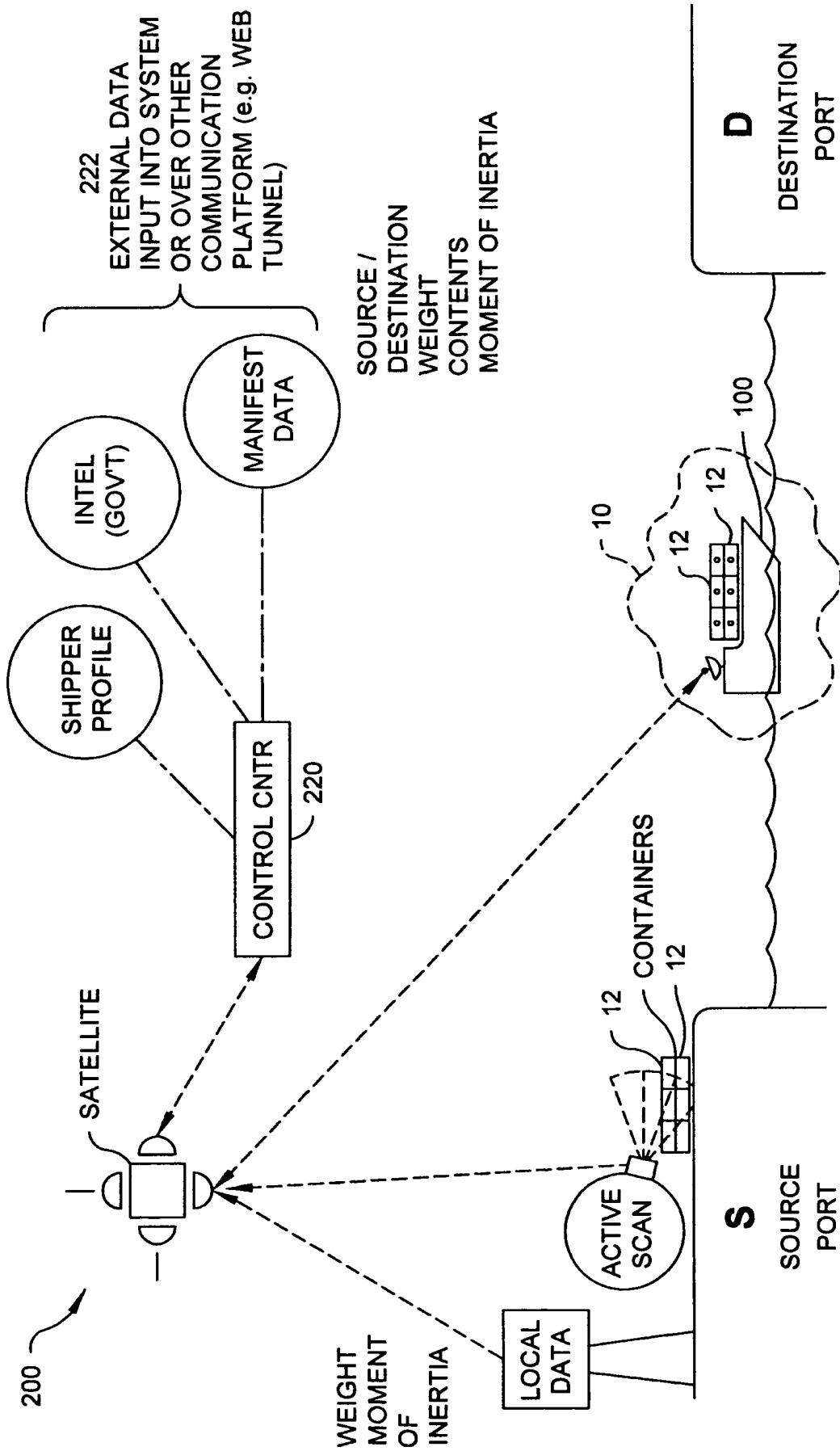
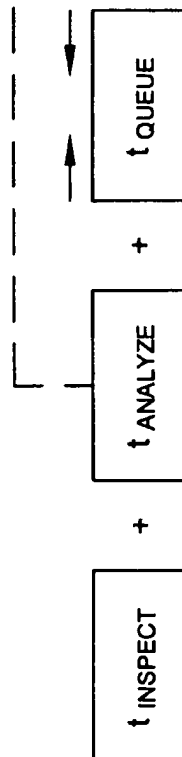


Fig. 7

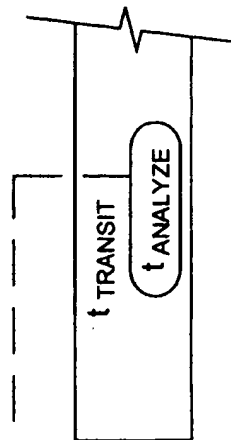
ACTIVE OR PASSIVE INSPECTION AT A PORT OF TIME T



$$T = t_{\text{INSPECT}} + t_{\text{ANALYZE}} + t_{\text{QUEUE}}$$

Where $t_{\text{QUEUE}} = f(t_{\text{ANALYZE}})$

ACTIVE INSPECTION COMBINED WITH CARGO CONTAINER MONITOR SYSTEM 10



$$t_{\text{QUEUE}} \propto \text{Constant}$$

OR $t_{\text{QUEUE}} \neq f(t_{\text{ANALYZE}})$

Fig. 8